

# Dr. Thomas Catalano, Ph.D

**Nuclear Chemist &  
Mechanical /  
Electrical  
Engineer**

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**Dr. Thomas Catalano**

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[github.com/tomsnode](https://github.com/tomsnode)

[www.conceptslearningmachine.com](http://www.conceptslearningmachine.com)

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## myManifest

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To continue the betterment of education by growing academia and industry with proven data and practices forthwith scientific and engineering works.

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## Industry

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### **github.com/conceptslearningmachine - (STEM)**

2013-Present day / Denver Metro Area, CO

What started as the standard descriptor as a "computer" software repository to the total embodiment of ethics for all of (STEM) with proven information and procurement of data in file formats for secure storage and redistribution.

### **CLM ~ Concepts Learning Machine LLC. -**

Humanitarian Scientist & Engineer

August 2019-Present day / Cripple Creek, CO

Science and engineering with ethical algorithmic procedures.

Utility invention I engineered and built;

- The Natural Human WaveLength & Impedance Meter and Visual Recognition Medical Instrument and submitted a white paper to the U.S Army Research Laboratory(ARL).

### **ALTUSNET LLC. -**

Computer Scientist & Engineer

November 2017-November 2018 / Lincoln Park, NJ

Hardware architecture extenuating by software and algorithmic processes.

- Engineered and built Toke Core; the blockchain hyperprotovisor software running the Bitcoin p2p network, confirming and reporting to the U.S. Federal Trade Commission at [antitrust@ftc.gov](mailto:antitrust@ftc.gov) the illegitimacy of cryptocurrency as a financial market weight and the inefficiency of "blockchain" as a hashing log verifier, "hyperledger".

## **Catalano Concepts LLC. -**

**Nuclear Chemist & Mechanical/Electrical Engineer**

July 2013-Present day / West Orange, NJ

Utility inventions I engineered;

- First and only to achieve Nuclear Fusion by implicitly engineering and building a Nuclear Fusion Reactor and reported to the U.S. National Aeronautical & Space Agency(NASA) for geo-satellite concatenation of scientific proofs.
- The Full-Spatial Median-Free Liquid and Photonic Bit Transfer Module System 276,480-bit Computational Processor and submitted a drafted technical manual to the U.S. National Security Agency(NSA).

Reported engineering flaw to U.S. Naval Research Laboratory(NRL) on LIDAR sub-system for the F-23 joint strike fighter jet aircraft while conducting its flight operations.

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## **Academic**

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**MIT-Cambridge, MA**

**Princeton University-Princeton, NJ**

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## **Committees**

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**IUPAC member**

**IEEE member**

**ACS member**

**ACM member**

**Member author for the;  
Publication of the American Society for  
Gravitational and Space Research**